

Machining Upgrades

for Brownsburg High School Robotics Team 3176

Sponsored in part by



Students impacted: 55 | Subject: STEM

Thanks to this grant, the BHS Robotics Team was able to cut through thicker metals with the stronger, more precise router, and they completed almost all of their part manufacturing in-house which is what the team has strived to do for quite a few years. The CNC upgrades allowed the team to machine more precise parts by being able to finely tune the X, Y, and Z axis on the machine. Previously, robot parts that needed to be very precise had to be outsourced to a waterjet company. Students were thrilled with the increased speed and accuracy with which they could cut metal parts, especially using thicker metals. This allowed for a quicker timeline from creation of parts on the computer to physical parts ready to be used on the robot. This machine can also be shared with the PLTW (Project Lead the Way) classes, and they can benefit from the increased efficiencies as well.

